

OIKE

RAW SEQUENCE LISTING

DATE: 05/01/2002

PATENT APPLICATION: US/09/632,036C

TIME: 12:30:36

Input Set : A:\PTO.VSK.txt

Output Set: N:\CRF3\05012002\I632036C.raw

3 <110> APPLICANT: Kaumaya, Pravin T.
 4 Stevens, Vernon C.
 5 Triozzi, Pierre L.
 7 <120> TITLE OF INVENTION: Polypeptides and Polynucleotides for Enhancing Immune
 Reactivity to HER-2
 8 Proteins
 10 <130> FILE REFERENCE: 18525/04011
 12 <140> CURRENT APPLICATION NUMBER: 09/632,036C
 13 <141> CURRENT FILING DATE: 2002-04-15
 15 <150> PRIOR APPLICATION NUMBER: 60/146,869
 16 <151> PRIOR FILING DATE: 1999-08-03
 18 <160> NUMBER OF SEQ ID NOS: 42
 20 <170> SOFTWARE: PatentIn version 3.1
 22 <210> SEQ ID NO: 1
 23 <211> LENGTH: 19
 24 <212> TYPE: PRT
 25 <213> ORGANISM: Homo sapiens
 27 <400> SEQUENCE: 1
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 30 1 5 10 15
 33 Leu Asp Met
 37 <210> SEQ ID NO: 2
 38 <211> LENGTH: 22
 39 <212> TYPE: PRT
 40 <213> ORGANISM: Homo sapiens
 42 <400> SEQUENCE: 2
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 48 Gly Ala Ser Pro Gly Gly
 49 20
 52 <210> SEQ ID NO: 3
 53 <211> LENGTH: 22
 54 <212> TYPE: PRT
 55 <213> ORGANISM: Homo sapiens
 57 <400> SEQUENCE: 3
 59 Leu Trp Lys Asp Ile Phe His Lys Asn Asn Gln Leu Ala Leu Thr Leu
 60 1 5 10 15
 63 Ile Asp Thr Asn Arg Ser
 64 20
 67 <210> SEQ ID NO: 4
 68 <211> LENGTH: 35
 69 <212> TYPE: PRT
 70 <213> ORGANISM: Homo sapiens
 72 <400> SEQUENCE: 4

p.4
 Does Not Comply
 Corrected Diskette Needed

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TECH CENTER 1600/2900

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Input Set : A:\PTO.VSK.txt

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74 Thr Leu Ile Asp Thr Asn Arg Ser Arg Ala Cys His Pro Cys Ser Pro
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78 Met Cys Lys Gly Ser Arg Cys Trp Gly Glu Ser Ser Glu Asp Cys Gln
79          20          25          30
82 Ser Leu Thr
83          35
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87 <211> LENGTH: 21
88 <212> TYPE: PRT
89 <213> ORGANISM: Homo sapiens
91 <400> SEQUENCE: 5
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97 Glu Gly Arg Tyr Thr
98          20
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102 <211> LENGTH: 24
103 <212> TYPE: PRT
104 <213> ORGANISM: Homo sapiens
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108 Pro Leu His Asn Gln Glu Val Thr Ala Glu Asp Gly Thr Gln Arg Ala
109 1          5          10          15
112 Glu Lys Cys Ser Lys Pro Cys Ala
113          20
116 <210> SEQ ID NO: 7
117 <211> LENGTH: 18
118 <212> TYPE: PRT
119 <213> ORGANISM: Homo sapiens
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127 Pro Glu
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133 <212> TYPE: PRT
134 <213> ORGANISM: Homo sapiens
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139 1          5          10          15
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143          20
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148 <212> TYPE: PRT
149 <213> ORGANISM: Homo sapiens
151 <400> SEQUENCE: 9
153 Leu Phe Arg Asn Pro His Gln Ala Leu Leu His Thr Ala Asn Arg Pro
154 1          5          10          15
157 Glu Asp Glu

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Input Set : A:\PTO.VSK.txt

Output Set: N:\CRF3\05012002\I632036C.raw

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163 <212> TYPE: PRT
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173 20 25 30
176 Asp Pro
180 <210> SEQ ID NO: 11
181 <211> LENGTH: 18
182 <212> TYPE: PRT
183 <213> ORGANISM: Homo sapiens
185 <400> SEQUENCE: 11
187 Lys Pro Asp Leu Ser Tyr Met Pro Ile Trp Lys Phe Pro Asp Glu Glu
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191 Gly Ala
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197 <212> TYPE: PRT
198 <213> ORGANISM: Homo sapiens
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206 Ala Glu Gln Arg Ala Ser
207 20
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211 <211> LENGTH: 19
212 <212> TYPE: PRT
213 <213> ORGANISM: Clostridium tetani
215 <400> SEQUENCE: 13
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218 1 5 10 15
221 Pro Ser Val
225 <210> SEQ ID NO: 14
226 <211> LENGTH: 17
227 <212> TYPE: PRT
228 <213> ORGANISM: Clostridium tetani
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236 Glu
240 <210> SEQ ID NO: 15
241 <211> LENGTH: 15
242 <212> TYPE: PRT
243 <213> ORGANISM: Clostridium tetani
245 <400> SEQUENCE: 15
247 Gln Tyr Ile Lys Ala Asn Ser Lys Phe Ile Gly Ile Thr Glu Leu

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TIME: 12:30:36

Input Set : A:\PTO.VSK.txt

Output Set: N:\CRF3\05012002\I632036C.raw

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248 1          5          10          15
251 <210> SEQ ID NO: 16
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254 <213> ORGANISM: Clostridium tetani
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263          20
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267 <211> LENGTH: 15
268 <212> TYPE: PRT
269 <213> ORGANISM: Measles virus
271 <400> SEQUENCE: 17
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274 1          5          10          15
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278 <211> LENGTH: 15
279 <212> TYPE: PRT
280 <213> ORGANISM: Hepatitis B virus
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289 <211> LENGTH: 20
290 <212> TYPE: PRT
291 <213> ORGANISM: Plasmodium falciparum
293 <400> SEQUENCE: 19
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299 Lys Lys Pro Glu
300          20
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304 <211> LENGTH: 4
305 <212> TYPE: PRT
306 <213> ORGANISM: None
308 <400> SEQUENCE: 20
310 Gly Pro Ser Leu
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314 <210> SEQ ID NO: 21
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316 <212> TYPE: PRT
317 <213> ORGANISM: Homo sapiens
319 <400> SEQUENCE: 21
321 Ile Leu Trp Lys Asp Ile Phe His Lys
322 1          5
325 <210> SEQ ID NO: 22
326 <211> LENGTH: 9

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see item 10 on Error Summary Sheet

RAW SEQUENCE LISTING

DATE: 05/01/2002

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TIME: 12:30:36

Input Set : A:\PTO.VSK.txt

Output Set: N:\CRF3\05012002\I632036C.raw

327 <212> TYPE: PRT
328 <213> ORGANISM: Homo sapiens
330 <400> SEQUENCE: 22
332 Ile Leu Lys Glu Thr Glu Leu Arg Lys
333 1 5
336 <210> SEQ ID NO: 23
337 <211> LENGTH: 9
338 <212> TYPE: PRT
339 <213> ORGANISM: Homo sapiens
341 <400> SEQUENCE: 23
343 Val Leu Arg Glu Asn Thr Ser Pro Lys
344 1 5
347 <210> SEQ ID NO: 24
348 <211> LENGTH: 9
349 <212> TYPE: PRT
350 <213> ORGANISM: Homo sapiens
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354 Ala Ala Arg Pro Ala Gly Ala Thr Leu
355 1 5
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360 <212> TYPE: PRT
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370 <211> LENGTH: 10
371 <212> TYPE: PRT
372 <213> ORGANISM: Homo sapiens
374 <400> SEQUENCE: 26
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380 <210> SEQ ID NO: 27
381 <211> LENGTH: 9
382 <212> TYPE: PRT
383 <213> ORGANISM: Homo sapiens
385 <400> SEQUENCE: 27
387 Cys Arg Trp Gly Leu Leu Leu Ala Leu
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391 <210> SEQ ID NO: 28
392 <211> LENGTH: 9
393 <212> TYPE: PRT
394 <213> ORGANISM: Homo sapiens
396 <400> SEQUENCE: 28
398 Arg Arg Phe Thr His Gln Ser Asp Val
399 1 5
402 <210> SEQ ID NO: 29
403 <211> LENGTH: 9

Raw Sequence Listing Error Summary

ERROR DETECTED

SUGGESTED CORRECTION

SERIAL NUMBER: 09/632,036C

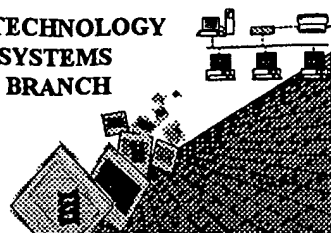
ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

- 1 Wrapped Nucleics
 Wrapped Aminos
The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."
- 2 Invalid Line Length
The rules require that a line not exceed 72 characters in length. This includes white spaces.
- 3 Misaligned Amino
 Numbering
The numbering under each 5th amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.
- 4 Non-ASCII
The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.
- 5 Variable Length
Sequence(s) contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.
- 6 PatentIn 2.0
 "bug"
A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) . Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.
- 7 Skipped Sequences
 (OLD RULES)
Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence:
(2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
(i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)
(xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
This sequence is intentionally skipped

Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.
- 8 Skipped Sequences
 (NEW RULES)
Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence.
<210> sequence id number
<400> sequence id number
000
- 9 Use of n's or Xaa's
 (NEW RULES)
Use of n's and/or Xaa's have been detected in the Sequence Listing.
Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present.
In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.
- 10 ✓ Invalid <213>
 Response
Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence
- 11 Use of <220>
Sequence(s) missing the <220> "Feature" and associated numeric identifiers and responses.
Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section.
(See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)
- 12 PatentIn 2.0
 "bug"
Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.
- 13 Misuse of n
n can only be used to represent a single nucleotide in a nucleic acid sequence. N is not used to represent any value not specifically a nucleotide.

1642

BIOTECHNOLOGY
SYSTEMS
BRANCH



RAW SEQUENCE LISTING
ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/632,036C
Source: OLP
Date Processed by STIC: 5/1/2002

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MAY 15 2002

TECH CENTER 1600/2900

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE **CHECKER**
VERSION 3.1 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND
TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: U.S. Patent and Trademark Office, Box Sequence, P.O. Box 2327, Arlington, VA 22202
3. Hand Carry directly to:
U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7th Floor, Examiner Name,
Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202
Or
U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two,
2011 South Clark Place, Arlington, VA 22202
4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office,
Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 01/29/2002